

FIG. 1

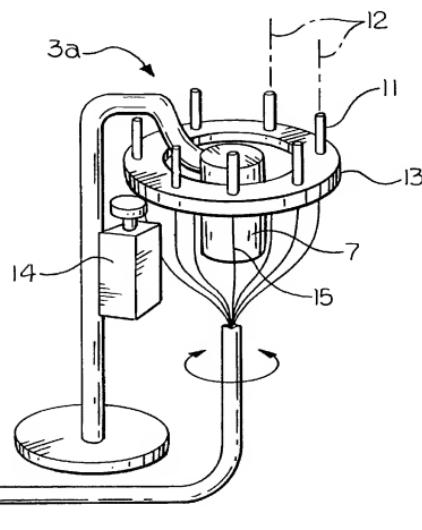
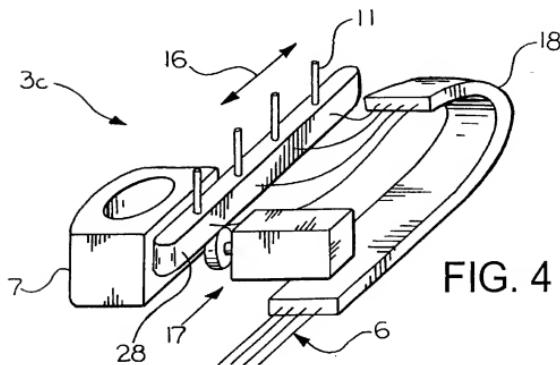
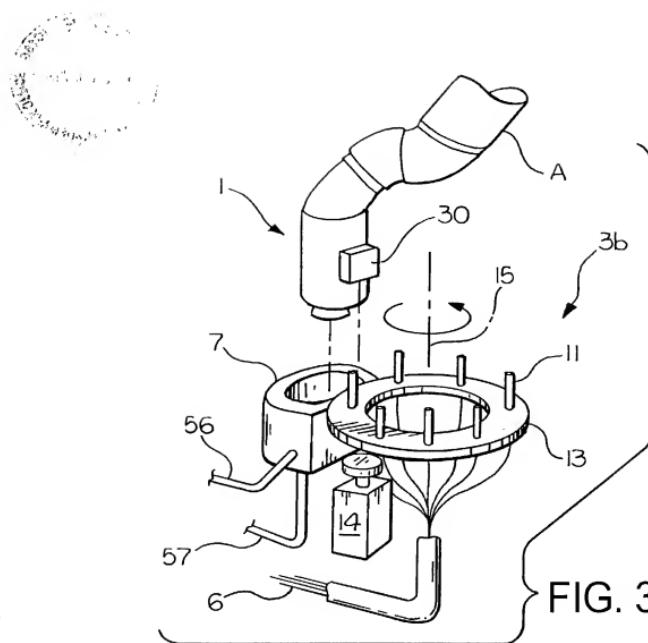


FIG. 2



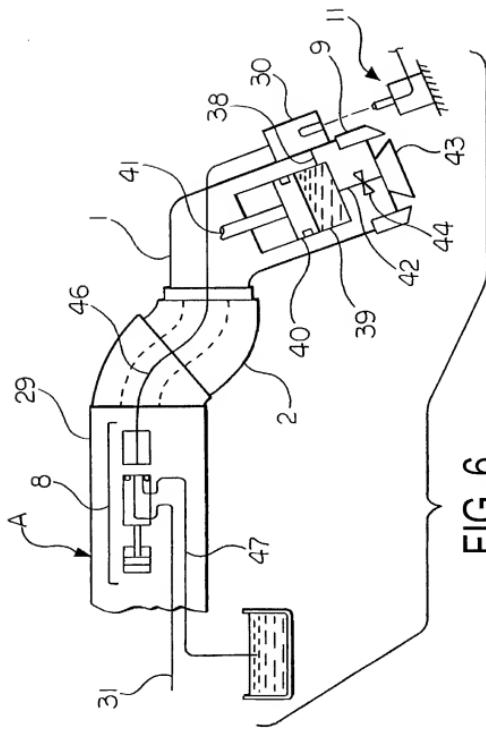


FIG. 6

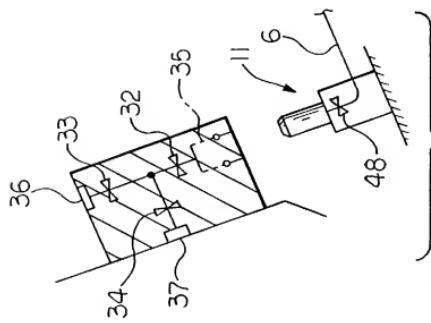


FIG. 5

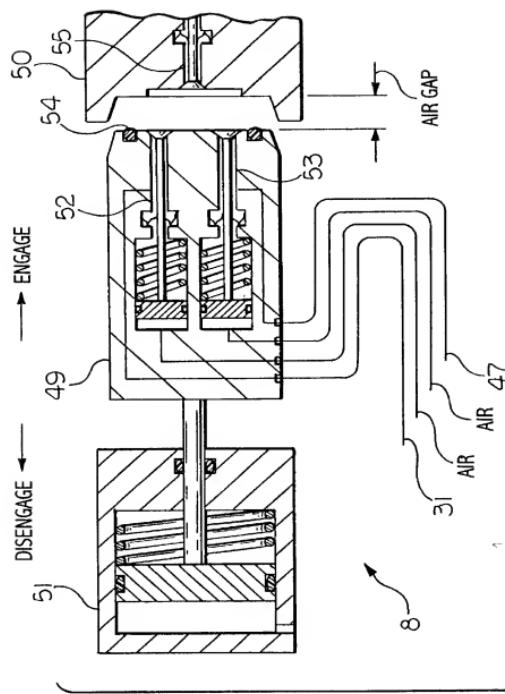


FIG. 8

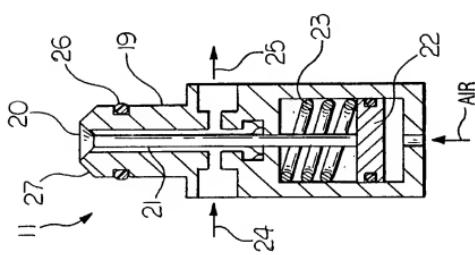


FIG. 7

PROCESS STEP	DESCRIPTION	VALVE STATE						DOCKING POSITION	PISTON POSITION
		8	52	53	55	32	33		
A	FINISHED PAINTING GREEN							REMOTE	AT BOTTOM
B	CLEAN PISTON FACE AND BELL CUP, INDEX INJECTOR	ON	ON	ON	ON	ON	ON	REMOTE	OSCILLATE NEAR BOTTOM
C	DOCK WITH PAINT SUPPLY							DOCKED	AT BOTTOM
D	PRIME LINES WITH RED PAINT			ON	ON	ON	ON	DOCKED	AT BOTTOM
E	FILL CANISTER WITH RED PAINT				ON	ON	ON	ON	RETRACTING
F	LEAVE DOCK & CLEAN INJECTOR	ON	ON	ON	ON	ON	ON	NEAR	AT TOP
G	CLEAN CONTROL VALVE FACE	ON	ON	ON				REMOTE	AT TOP
H	PAINT WITH RED						ON /OFF	REMOTE	DISPENSE

FIG. 9

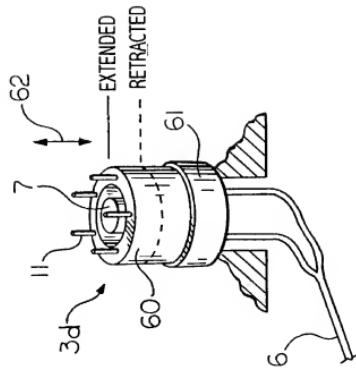


FIG. 11

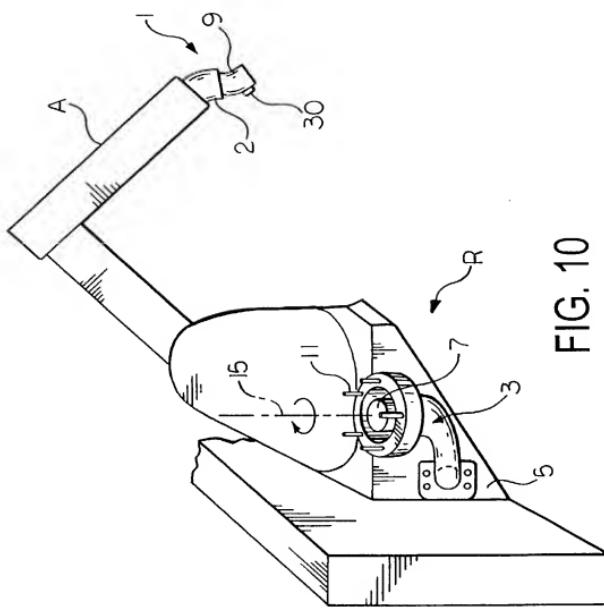


FIG. 10

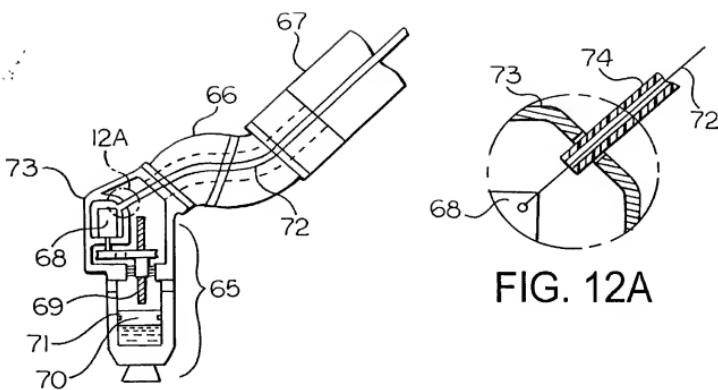


FIG. 12

FIG. 12A

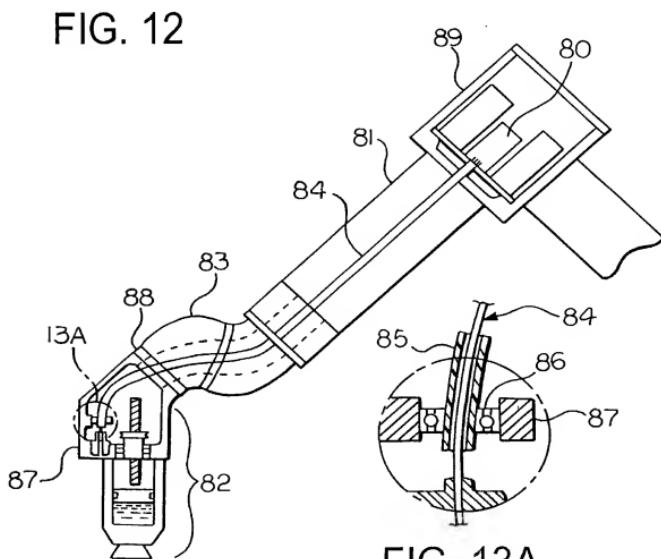


FIG. 13

FIG. 13A

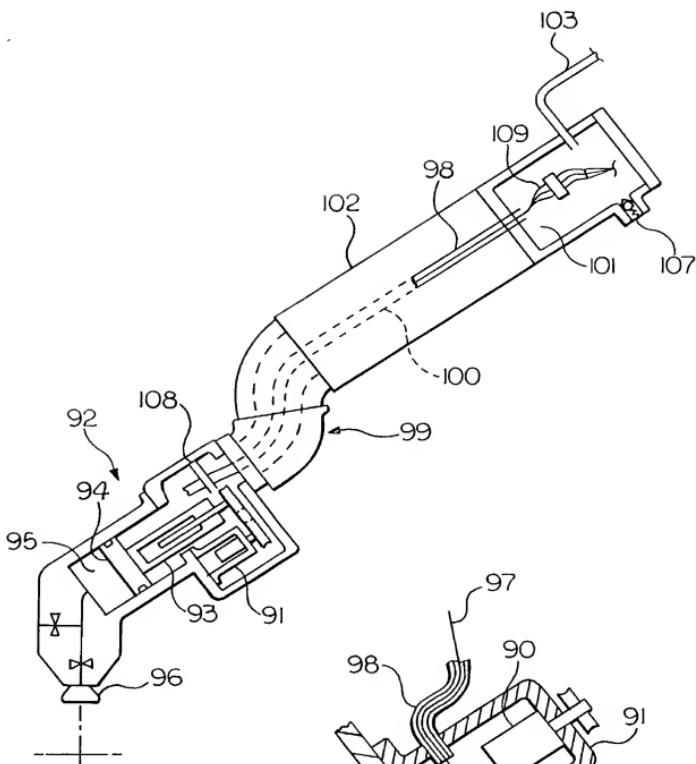
SEARCHED
INDEXED
MAILED

FIG. 14

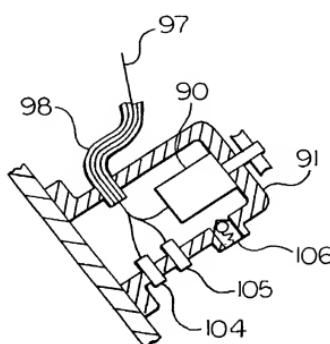


FIG. 15

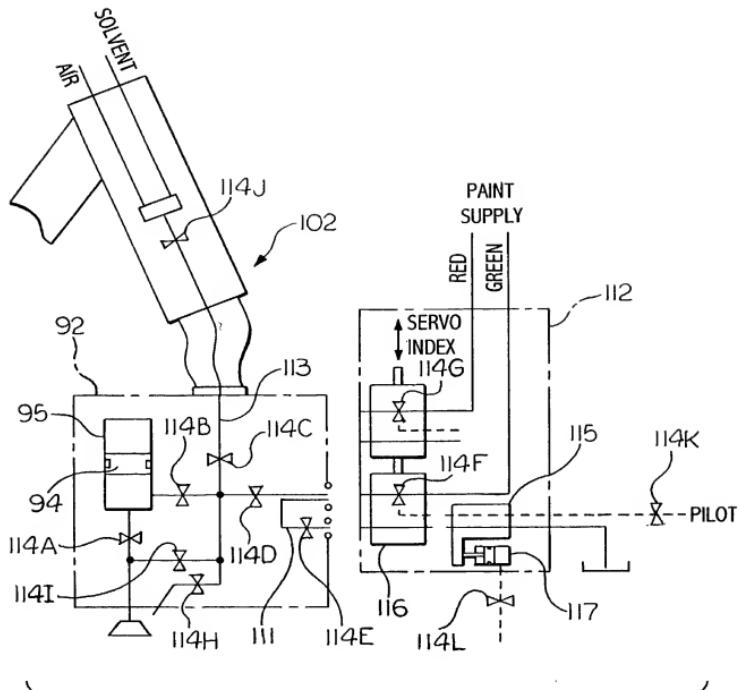


FIG. 16

PROCESS SEQUENCE - CHANGING COLOR	DOCKED	VALVE										
		A	B	C	D	E	F	G	H	I	J	K
DONE PAINTING RED	NO											
CLEAN PISTON FACE & INSIDE BELL CUP	NO	ON	ON	ON								ON
CLEAN OUTSIDE OF BELL	YES/NO			ON								ON
INDEX TO GREEN SUPPLY	YES/NO							ON				ON
CLEAN SHROUD	YES											
PRIME LINES WITH GREEN	YES	ON	ON	ON				ON				ON
FILL CAN WITH GREEN	YES		ON	ON	ON	ON						ON
CLEAN & DRY DOCKING INTERFACE	YES				ON	ON	ON					ON
CONTINUE DRYING	NO				ON	ON	ON					ON
PAINT WITH GREEN	NO				ON							ON

FIG. 17

PROCESS SEQUENCE - REFILLING SAME COLOR	DOCKED	VALVE										
		A	B	C	D	E	F	G	H	I	J	K
DONE PAINTING RED	NO											
CLEAN INSIDE & OUTSIDE OF BELL	YES/NO				ON					ON	ON	ON
CLEAN SHROUD	YES											
PRIME LINES WITH RED	YES	ON	ON	ON				ON				ON
FILL CAN WITH RED	YES				ON							ON
CLEAN & DRY DOCKING INTERFACE	YES				ON	ON						ON
CONTINUE DRYING	NO				ON	ON	ON					ON
PAINT WITH RED	NO				ON							ON

FIG. 18

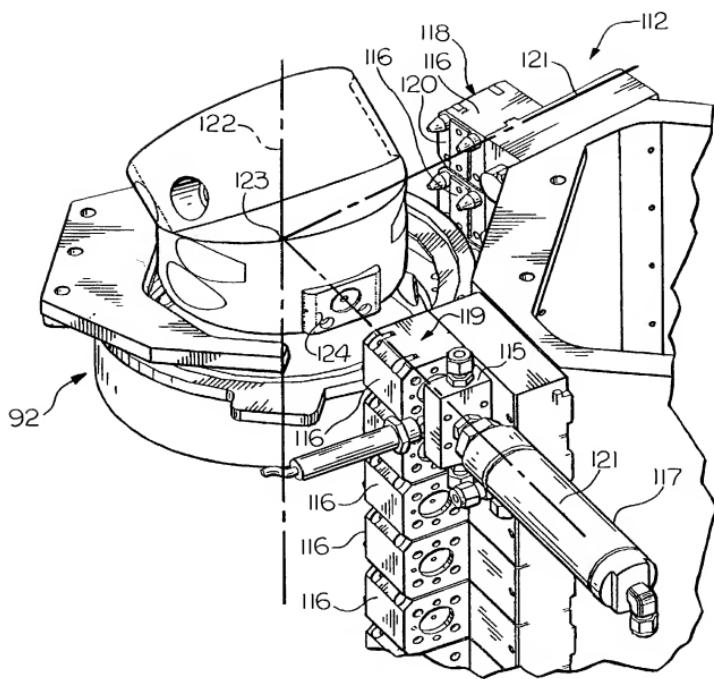


FIG. 19

FIG. 20

